







```
Line
                 foo_1 (K)
         1
          2
          3
                       Y=2
                       for(J=0;J<10000;J++)
          4
          5
          6
                             A[J]=K+J;
          7
          8
                       return (K+Y);
          9
                  }
20.
          ICB
                  =BREAK 6 WHEN K>999
          BE_1
                  =K>999
          SCB
                  =BREAK 4 WHEN K>999
26
          SCB'
                  =BREAK 4 WHEN !(K>999)
          RB
                  =BREAK 8 RESET
28 -
```

FIG. 5

```
Line
             foo_2(K,FLAG)
     1
      2
              {
      3
                  Y=2;
                  J=0;
      4
                  while(J<10000)
      5
      6
      7
                        A[J]=K+J;
      8
                        if(FLAG==TRUE)
      9
                            K++;
      10
                        else
                            return(K+Y);
      11
       12
                        J++;
       13
                  Y+=K;
       14
                  if(A[J-I]>500)
       15
                        return(K+Y);
       16
       17
                  K-=Y:
                  return(K-Y);
       18
              }
       19
 20
              =BREAK 7 WHEN (K>999 && K<1050)
      · ICB
22____BE_1
              =((K>999) \&\& (K<1050))
     -BE_2
              =(!(FLAG==TRUE))
              =BREAK 4 WHEN ( (K>999 && K<1050) ||
                                                           (FLAG==TRUE) )
              =BREAK 4 WHEN ( (!(K>999 && K<1050)) && (!(FLAG==TRUE)) )
              =BREAK 11 RESET
              =BREAK 14 RESET
```

FIG. 6